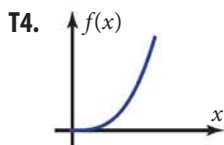
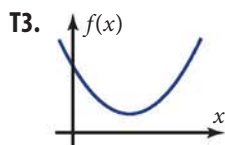
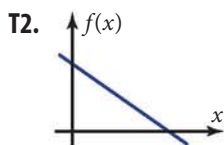
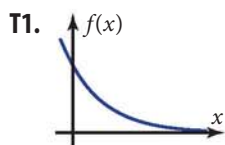


Chapter Test

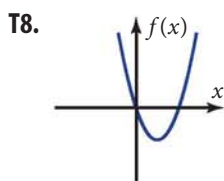
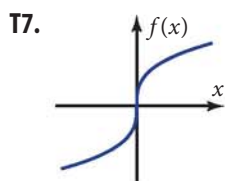
Part 1: No calculators allowed (T1–T11)

For Problems T1–T4, name the type of function that each graph shows.

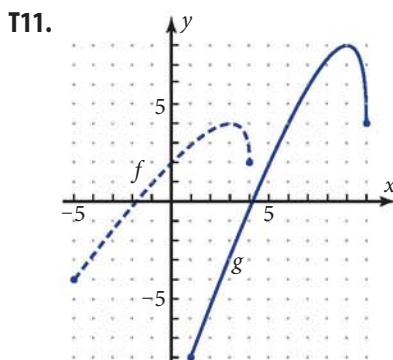
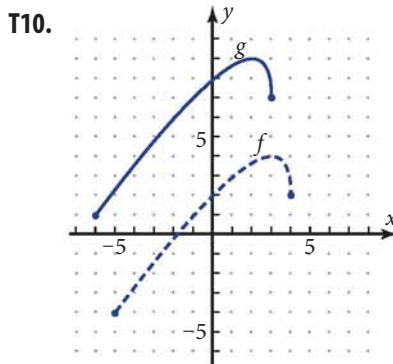
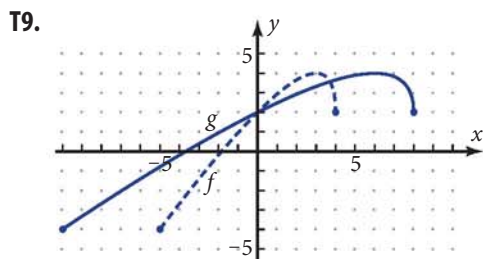


- T5.** Which of the functions in Problems T1–T4 are one-to-one functions? What conclusion can you make about a function that is not one-to-one?
- T6.** When you turn on the hot water faucet, the time the water has been running and the temperature of the water are related. Sketch a reasonable graph of this function.

For Problems T7 and T8, tell whether the function is odd, even, or neither.



For Problems T9–T11, describe how the graph of f (dashed) was transformed to get the graph of g (solid). Write an equation for $g(x)$ in terms of f .



Part 2: Graphing calculators allowed (T12–T29)

- T12.** Figure 1-80 shows the graph of a function, $y = f(x)$. Give the domain and the range of f .

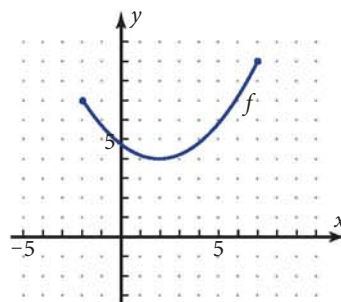


Figure 1-80